



Horizon 2020 Capacity Building/Mediterranean Environment Programme

“Urban Wastewater Project Preparation & Implementation at sub-national & local level”

Sub-regional training: 19-21 October 2011, Zagreb, Croatia

Introduction

The “**Horizon 2020 Initiative**” aims to de-pollute the Mediterranean by the year 2020 by tackling the sources of pollution that account for around 80% of the overall pollution of the Mediterranean Sea: municipal waste, urban wastewater and industrial pollution.

Horizon 2020 was endorsed during the Environment Ministerial Conference held in Cairo in November 2006 and is one of the key initiatives run under the Union for the Mediterranean (UfM). The H2020 2007-2013 Road-Map focuses on the following four pillars:

- Identification of projects to reduce the most significant sources of pollution.
- Identification of capacity-building measures to help neighbouring countries creates national environmental administrations that are able to develop and police environmental laws.
- Use of the EC’s research budget to develop greater knowledge of environmental issues relevant to the Mediterranean and ensure this is shared.
- Develop indicators to monitor the success of Horizon 2020.

H2020 is made up of the following components: monitoring, reporting and research (RMR); investment; and capacity building. Under each component, a project is currently being run. H2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) is the project aiming at enhancing the capacities to address pollution problems at institutional and society level. In addition, through the H2020 MEP, a Hot Spot Investment Programme (HSIP) for the West Balkans and Turkey - as complementary to the Mediterranean HSIP (MeHSIP) – has been elaborated. The other two projects currently being carried out under the investment and RMR H2020 components are respectively the MeHSIP and the ENPI Shared Environmental Information System.

The framework - Horizon 2020 Capacity Building/Mediterranean Environment Programme

Obviously pollution is expected to be substantially reduced through the installation and proper functioning of major infrastructures (e.g. sewage treatment plants), installing pollution reduction technologies in industries, etc. However, this won’t work if institutional and individual capacities are not in place. This is what the H2020 CB/MEP aims to enhance by operating within the existing and developing policy instruments, and supporting the implementation of the commitments undertaken in the framework of the ENP as well as other regional agreements e.g. of the Barcelona Convention, while cooperating, coordinating and synergising with all relevant (EU and other) programmes.

Aims and objectives

The main objective of this project is to support the implementation of Horizon 2020 with a special focus on environmental mainstreaming. It aims to address the following problems:

- low political priority given to the environment;
- insufficient integration of environment in the different sector policies (agriculture, tourism, transport or energy) and lack of inclusion of the different actors from local to international level;
- Insufficient capacities and resources at institutional and civil society level.



More specifically, the purpose is to support the implementation of the Horizon 2020 Initiative Road Map and Work Plan through capacity building and awareness raising activities, and to promote integration of environment issues in other sectors policies.

Partners

This project is funded by the European Union and implemented by the National and Kapodistrian University of Athens (NKUA) in consortium with: Mediterranean Action Plan of the United Nations Environment Programme and its Regional Activity Centres and Programmes (UNEP/MAP and its RACs), National Waste Management Agency (ANGEd)/ Regional Solid Waste Exchange of Information and Expertise Network in Mashreq and Maghreb Countries (SWEEPNet), Umweltbundesamt GmbH – Austrian Environment Agency (AEA), Lebanese Ministry of Energy and Water - the General Directorate of Hydraulic and Electrical Resources (LMoEW), Hellenic Ministry for Environment, Energy and Climate Change, UNESCO-IHE Institute for Water Education (UNESCO-IHE), Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE), Arab Network for Environment and Development (RAED), WWF Mediterranean Programme Office (WWF MedPO), Association of Cities and Regions for Recycling and Sustainable Resource Management (ACR+), Arab Countries Water Utilities Association (ACWUA).

Partner Countries

The Partner countries are: Albania, Algeria, Bosnia- Herzegovina, Croatia, Egypt, Israel, Jordan, Lebanon, Montenegro, Morocco, occupied Palestinian territory, Tunisia, Turkey, and Syria.

Course Description - “Urban Wastewater Project Preparation & Implementation at sub-national & local level”

Introduction to the training course

This sub-regional training course is organized within the framework of the ENPI Horizon 2020 CB/MEP project. It is organized by the UNESCO-IHE Institute for Water Education and ACWUA with the contribution of the DABLAS Task Force. Its duration is 3 days and the language of the training course will be English. Up to 30 participants are expected to attend from Albania, Bosnia Herzegovina, Croatia, Montenegro and eventually Turkey.

Target group

The capacity building activity is of an intermediate level and is targeted to:

- Mid-career water managers and decision-makers from competent local governance bodies, water authorities, ministries, NGOs, engineering professionals and other competent bodies
- University staff in fields of relevance

Learning objectives

- i) To understand the various financing options for public service investments
- ii) To understand the potentials and pitfalls of PPPs and WOPs
- iii) To understand the challenges of project management
- iv) To understand and apply the Logical Framework Approach to the development of wastewater projects

The topics that will be covered are:

- Funding for public infrastructure
- Public-private partnership: how it affects wastewater treatment at the local level
- Putting financial sustainability ahead of technical aspects
- Rapid pre-appraisal of urban wastewater projects
- Issues in Project Management
- The Logical Framework
- Project preparation: exercise Lembang



- Role Play Santiago Wastewater

Learning outcomes of the training course

Funding for public infrastructure

The following learning objectives have been defined:

- Increase the ability among participants to weigh possible usefulness of different finance options
- Enable participants to evaluate the prerequisite enabling environment fitting for Public-Private Partnerships
- Enable participants to distinguish between different PPP options
- Enable participants to oversee the pitfalls of entering a PPP process, including the procurement cycle
- Connect professionals from various countries, different utilities and levels of governments involved, to exchange experiences, ideas and insights, data and tools, and to learn from each other's experiences.

To achieve the Millennium Development Goals (MDGs), more money and different sources of finance will be necessary, including private sourcing. Finally it will be argued that financial sustainability should be put ahead of technical aspects. A framework for sustainable development will be provided and an example of an ecological city will be given.

Public-private partnership: how it affects wastewater treatment at the local level

A lot is expected from different partnerships. Partnerships usually involve two or more of the following: local government; community organizations; NGOs or charities; external donors; private companies; and banks or micro credit organizations. Also Water Operator Partnerships, promoted by UN Habitat, may help to achieve the MDGs. We intend to give an overview of the issue, to mention innovative examples and to dwell briefly on the use of PPPs and other financial instruments for water and sanitation.

Putting financial sustainability ahead of technical aspects

Sustainability can refer to financial, economic, environmental, social, institutional etc., sustainability, which requires giving weight to these factors. Different methods can be used to do justice to these dimensions of sustainability. Examples will be given how to deal with this issue.

Rapid pre-appraisal of urban wastewater projects

The DABLAS Task Force has developed a small guide on the subject. The guide aims to respond to the unfortunate practice that many project proposals fail a feasibility study after much effort and money has been spent. An early and rapid pre-appraisal, done at an early stage in the project cycle when only limited information is available, could test the likely viability of a project proposal. It can help in a decision on whether to carry out a full-fledged feasibility study or not. It may also indicate where modifications of the project design may improve the viability of the proposed works. The guide addresses issues such as project objectives and project scoping. A simple financial analysis tool is part of the guide. The guide is intended for use by staff in national ministries and/or departments involved in the evaluation of project ideas.

The aim of this session is to acquaint the trainees with the rapid pre-appraisal methodology. It is a short introduction to the rapid pre-appraisal guide, its purpose and its methodology. An overview of the type of computations applied in the financial analysis tool will also be given.

Issues in Project Management

The following learning objectives have been defined:

- Understand what a project is
- Understand the typical constraints and success factors in project management
- Understand the key elements of the project management framework and how this involves various stages and multiple disciplinary inputs
- Know the elements of the project cycle and their constituent components



UNEP/Map
and its RACs



CP/RAC



ANGed/
SWEEPNET



AEA



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MedPO



ACR+



ACWUA



- Understands the dynamics of project cycle management
- Understands the task fields of project managers
- Knows the process and output requirements and the related management tools

The Principles of Project Management will be taught, including the Triple Constraints of Project Management; Project Cycle; Success Factors; Sustainability; Blueprint vs Process approaches; Project Cycle and Project Cycle Management; Core Functions of Project Management; the Project Manager, his/her Skills and his/her Toolbox

The Logical Framework

The following learning objectives have been defined:

- Understand the Logical Framework Approach as a tool for inclusive and systematic project development
- Know the stages and steps of the Logical Framework Approach
- Be able to apply the Logical Framework Approach to a real life case

The Logical Framework Approach will be taught, including the rationale for applying the method, the aims and tools, the different stages and steps and their distinct outputs, and the preparation of the LFA matrix. The subject will be taught using a case study. The participants will apply the method first through an exercise addressing performance deficiency of a water utility, and will then do a role-play to identify and address the complex wastewater problems that faced the City of Santiago, Chile.

The course will allow sufficient time for clarifications/questions/discussions of emerging topics.

A preliminary overview of the course is given below:



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ACR+



ACWUA



19.10.2011	Description	Duration	Method/Speaker or Trainer
• Session 1	<ul style="list-style-type: none"> Welcome - opening words Introduction of speakers and participants Overview of Horizon 2020 CB/MEP Overview of the course Expectations of trainees 	9.00-10.00	Meine Pieter van Dijk, UNESCO-IHE Koussai Quteishat, H2020 CB/MEP Thematic expert - ACWUA
Session 2	<ul style="list-style-type: none"> Funding for public infrastructures Discussion 	10.00-10.45	Presentation, Meine Pieter van Dijk
		Coffee (15 min.)	
Session 3	<ul style="list-style-type: none"> Guide on rapid pre-appraisal of urban wastewater projects: purpose and methodology. Introduction to the financial analysis tool. 	11.00-13.00	Presentation, Jaap Butter, DABLAS Task Force
		Lunch (1 hour)	
Session 4	<ul style="list-style-type: none"> Public-private partnerships: how they affect project preparation and implementation What is a "Bankable Project" 	14.00-15.00	Presentation, Meine Pieter van Dijk
		15:00-15:30	Presentation, Koussai Quteishat
		Coffee (15 min.)	
Session 5	<ul style="list-style-type: none"> Presentations experiences of participants PPP Case: Finance of Assamra WWTP in Jordan Types of PPP and how they function Summary of lessons learned on PPPs 	15.45-16:15 16:15-16:30 16:30-17:30	Participants Presentation, Koussai Quteishat Presentation, Meine Pieter van Dijk

20.10.2011	Description	Duration	Method/Speaker or Trainer
Session 1	<ul style="list-style-type: none"> Putting financial sustainability ahead of technical aspects 	9.00-10.30	Presentation, Meine Pieter van Dijk
		Coffee (15 min.)	
Session 2	<ul style="list-style-type: none"> A framework for sustainable development 	10.45-12.00	Presentation, Meine Pieter van Dijk
Session 3	<ul style="list-style-type: none"> An example: the ecological city 	12.00-12.30	Presentation, Meine Pieter van Dijk
		Lunch (1 hour)	
Session 4	<ul style="list-style-type: none"> Issues in project management 	13.30-15.15	Presentation, Maarten Blokland, UNESCO-IHE
		Coffee (15 min.)	
Session 5	<ul style="list-style-type: none"> Project preparation using the Logical Framework Approach: methodology and tools 	15.30-17.00	Presentation, Maarten Blokland,

21.10.2011	Description	Duration	Method/Speaker or Trainer
Session 1	<ul style="list-style-type: none"> Exercise Project Preparation: Lembang 	9.00-10.30	Introduction, Maarten Blokland Working Groups
		Coffee (15 min.)	
Session 2	<ul style="list-style-type: none"> Presentations of exercise results by the Working Groups 	10.45-11.15	Working Groups
Session 3	<ul style="list-style-type: none"> Role Play Santiago Wastewater 	11.15-12.30	Introduction, Maarten Blokland Working Groups
		Lunch (1 hour)	
Session 4	<ul style="list-style-type: none"> Role Play Santiago Working in groups 	13.30-15.00	Working Groups
		Coffee (15 min.)	
Session 5	<ul style="list-style-type: none"> Presentation of Role Play results 	15.15-16.30	Working Groups
Session 6	<ul style="list-style-type: none"> Closing Remarks Certificates Award Departure 	16.30-17.30	Maarten Blokland

